

| ALL COMPONENTS, REQUIREMENTS EQUALLY APPLICABLE TO:— <i>contd.</i>                |    |    |    |    |    |    |    |    |    | Design<br>Leaflet     | Paragraph |
|---|----|----|----|----|----|----|----|----|----|-----------------------|-----------|
| Dural tubes and sheet thinner than 22 G..   | .. | .. | .. | .. | .. | .. | .. | .. | .. | B.5                   | 18        |
| Electrolytic reactions  | .. | .. | .. | .. | .. | .. | .. | .. | .. | Z.3                   | 16        |
| Fasteners for cowling and inspection doors  | .. | .. | .. | .. | .. | .. | .. | .. | .. | Z.3                   | 17        |
| Fillets in metal sections   | .. | .. | .. | .. | .. | .. | .. | .. | .. | Z.3                   | 5         |
| Flattening of tube ends for attachment purposes                                   | .. | .. | .. | .. | .. | .. | .. | .. | .. | Z.3                   | 2         |
| Glued joints..  | .. | .. | .. | .. | .. | .. | .. | .. | .. | B.5                   | 23        |
| Handling loads  | .. | .. | .. | .. | .. | .. | .. | .. | .. | B.5                   | 17        |
| Magnesium alloy sheeting  | .. | .. | .. | .. | .. | .. | .. | .. | .. | G.1                   | 8         |
| Moisture in metal components, provision against collection                        | .. | .. | .. | .. | .. | .. | .. | .. | .. | Z.3                   | 15        |
| Protection against rust, etc.— <i>see</i> PROTECTION.                             | .. | .. | .. | .. | .. | .. | .. | .. | .. |                       |           |
| Stabilization of struts   | .. | .. | .. | .. | .. | .. | .. | .. | .. | Z.3                   | 14        |
| Stressing   | .. | .. | .. | .. | .. | .. | .. | .. | .. | B.Intro-<br>duction.  | 2         |
| Tab washers, use of   | .. | .. | .. | .. | .. | .. | .. | .. | .. | Z.3                   | 9         |
| Taping structural members   | .. | .. | .. | .. | .. | .. | .. | .. | .. | Z.3                   | 23        |
| Weight, all requirements to be met at max. weight                                 | .. | .. | .. | .. | .. | .. | .. | .. | .. | B.1                   | 8         |
| Welding   | .. | .. | .. | .. | .. | .. | .. | .. | .. | B.5                   | 10        |
| Wiring lugs, design of  | .. | .. | .. | .. | .. | .. | .. | .. | .. | Z.3                   | 4         |
| Altimeters in enclosed compartments   | .. | .. | .. | .. | .. | .. | .. | .. | .. | E.1                   | 7         |
| Amendments to this handbook, procedure for promulgating                           | .. | .. | .. | .. | .. | .. | .. | .. | .. | Foreword              | 8         |
| Anti-icing requirements— <i>see</i> De-icing requirements.                        | .. | .. | .. | .. | .. | .. | .. | .. | .. |                       |           |
| APPROVED FIRMS:—  |    |    |    |    |    |    |    |    |    |                       |           |
| Aircraft firms  | .. | .. | .. | .. | .. | .. | .. | .. | .. | A.4                   | —         |
| Aircraft component firms  | .. | .. | .. | .. | .. | .. | .. | .. | .. | A.6                   | —         |
| Aircrew firms   | .. | .. | .. | .. | .. | .. | .. | .. | .. | A.6                   | —         |
| Civil Specification firms   | .. | .. | .. | .. | .. | .. | .. | .. | .. | A.6                   | —         |
| Tyre manufacturers  | .. | .. | .. | .. | .. | .. | .. | .. | .. | A.6                   | —         |
| Wireless firms  | .. | .. | .. | .. | .. | .. | .. | .. | .. | A.7                   | —         |
| Automatic control   | .. | .. | .. | .. | .. | .. | .. | .. | .. | B.3                   | 24        |
| Banners, towing of  | .. | .. | .. | .. | .. | .. | .. | .. | .. | B.7                   | —         |
| Boat seaplanes— <i>see</i> HULLS.   | .. | .. | .. | .. | .. | .. | .. | .. | .. |                       |           |
| Bonding   | .. | .. | .. | .. | .. | .. | .. | .. | .. | E.5                   | 4         |
| Brakes  | .. | .. | .. | .. | .. | .. | .. | .. | .. | B.9                   | 11        |
| CABIN, COCKPIT AND FREIGHT COMPARTMENTS ( <i>see</i> also MARKINGS ON AIRCRAFT):— |    |    |    |    |    |    |    |    |    |                       |           |
| <i>Stressing requirements</i>   |    |    |    |    |    |    |    |    |    |                       |           |
| Safety belts and harness, attachment of   | .. | .. | .. | .. | .. | .. | .. | .. | .. | E.3                   | 4         |
| Seats, strength of  | .. | .. | .. | .. | .. | .. | .. | .. | .. | B. Intro-<br>duction. | 2         |
| Seats, strength of  | .. | .. | .. | .. | .. | .. | .. | .. | .. | B.2                   | 3         |
| Seats, strength of  | .. | .. | .. | .. | .. | .. | .. | .. | .. | G.2                   | —         |
| <i>Other requirements</i>   |    |    |    |    |    |    |    |    |    |                       |           |
| Altimeters in enclosed compartments   | .. | .. | .. | .. | .. | .. | .. | .. | .. | E.1                   | 7         |
| Ash trays, provision of   | .. | .. | .. | .. | .. | .. | .. | .. | .. | Z.3                   | 19        |
| Doors, direction of opening   | .. | .. | .. | .. | .. | .. | .. | .. | .. | B.5                   | 19        |
| Emergency exits   | .. | .. | .. | .. | .. | .. | .. | .. | .. | B.5                   | 19        |
| Fire extinguishers  | .. | .. | .. | .. | .. | .. | .. | .. | .. | G.1                   | 2         |
| Freight, method of securing   | .. | .. | .. | .. | .. | .. | .. | .. | .. | B.5                   | 20        |
| Fuel tanks and pipes  | .. | .. | .. | .. | .. | .. | .. | .. | .. | G.1                   | 4         |
| Heating   | .. | .. | .. | .. | .. | .. | .. | .. | .. | Z.5                   | 4         |
| Instruments and controls, relative position                                       | .. | .. | .. | .. | .. | .. | .. | .. | .. | Z.3                   | 20        |
| Lap straps  | .. | .. | .. | .. | .. | .. | .. | .. | .. | E.3                   | —         |
| Locking of controls   | .. | .. | .. | .. | .. | .. | .. | .. | .. | Z.3                   | 12        |
| Parachute, attachment to seat   | .. | .. | .. | .. | .. | .. | .. | .. | .. | E.3                   | 5         |
| Parachute egress on Type aircraft   | .. | .. | .. | .. | .. | .. | .. | .. | .. | B.5                   | 21        |
| Pilot's seat, position of   | .. | .. | .. | .. | .. | .. | .. | .. | .. | B.5                   | 14        |
| Rudder bar, toe straps for  | .. | .. | .. | .. | .. | .. | .. | .. | .. | Z.3                   | 18        |
| Safety belt or harness, type required   | .. | .. | .. | .. | .. | .. | .. | .. | .. | E.3                   | 2         |
| Safety belt or harness, type required   | .. | .. | .. | .. | .. | .. | .. | .. | .. | B.5                   | 21        |
| Seats, fixing of  | .. | .. | .. | .. | .. | .. | .. | .. | .. | B.5                   | 13        |
| Smoking compartments  | .. | .. | .. | .. | .. | .. | .. | .. | .. | G.1                   | 4         |